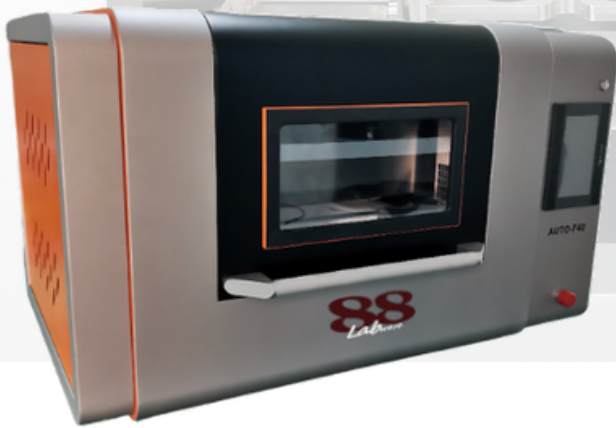


**88**  
Labware



**NEW**

# 88PEARL

## Features

- Fully automated fusion machine
- Flexibility, versatility: glass beads for XRF, solutions for AAS and ICP
- High frequency induction heating system
- Heating rate up to 40°C/min.
- Multiple samples: 4 stations, up to 24 samples/hour
- Safe, simplified and reliable operation thanks to an easy-handling SW
- LCD touch screen
- 30 independent adjustable methods
- Automatic shaking and melt pouring
- Multi-protection: Over-pressure, over-heat for the maximum security
- Low consumption → high performance-to-price ratio.

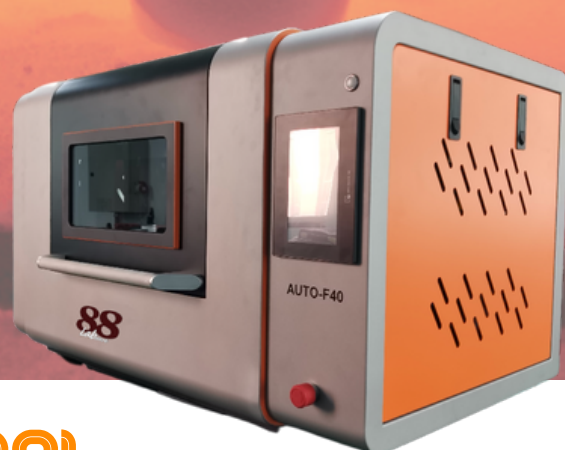
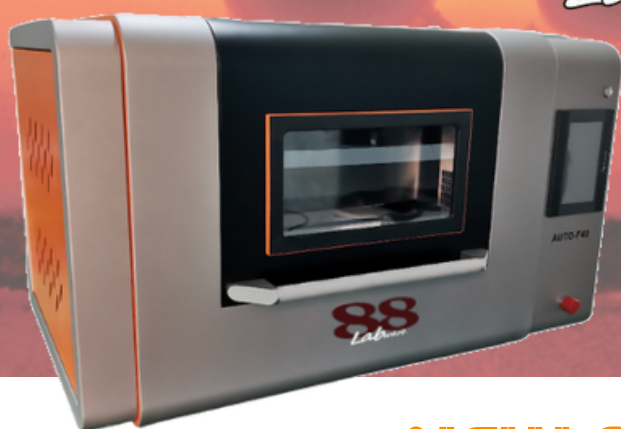
## Fields of application

- Mining and geological samples, silica, silicates clay, ores
- Cement, lime, limestone, carbonates, slag
- Glass
- Ceramics and metals
- Sulfides, fluorides
- Bauxites, alumina
- Catalysts, pigments



## Info:

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**- 20016 - Pero (MI)**  
**Tel +39 02.8853.216**  
**info@88labware.com**



## NEW 88PEARL

Operative temperature	RT...1250°C
Heating rate (From ambient temperature to 1200°C)	40°C/min.
Heating mode	High frequency induction heating SiC furnace
Temperature control	Non-contact and real-time temperature measurement PID thermostatic control
Power	8000 W
Temperature Accuracy	± 1°C
Crucible rocking amplitude	≤ 30° Adjustable
Crucible rocking speed	0-40rpm Adjustable
Angle of melt pouring	150°
Forming method	Cooling
Control system	Integrated operation and display panel LCD touch screen, PLC controller
Programs	Max. 30 independent adjustable sample programs can be stored
Processes of fusion cycle	Oxidation → Fusion
Cooling water temperature in induction coil	≤ 60°C
Cooling system	Cooling Fan
Fusion mode	Transition → Heating → Pouring → Cooling
Number of stations	4 (1 and 2 stations available soon)
Samples per hour	20-24 (according to the set parameters of the sample)
Safety protection	Over- pressure, over-heating
Crucible and casting dish	Platinum - Pt/Au - Pt/Ir - Pt/Rh - <b>PtHT</b>
Net weight	135 Kg
Dimensions (LxWxH cm):	102x65x64:
Laboratory requirements:	Workbench, Suction 4m <sup>3</sup> /min, 220V, 35A power supply